

SINGLE LINE DIAGRAM - RISER
SCALE: NONE

NUMBERED SHEET NOTES

- 1 PROVIDE PANEL WITH 200% RATED NEUTRAL BUS AND TVSS.
- 2 PROVIDE AND INSTALL 6#14 IN 3/4" CONDUIT. VERIFY REQUIREMENTS WITH GENERATOR VENDOR PRIOR TO ROUGH-IN.
- 3 THE CONTRACTOR SHALL SUBMIT THE MAIN SWITCHBOARD SHOP DRAWINGS TO PG&E FOR FINAL APPROVAL AND AIC VERIFICATION PRIOR TO RELEASE FOR MANUFACTURING. NO EXTRA CHARGES SHALL BE APPROVED FOR FAILURE TO DO SO. THE SWITCHBOARD SHALL MEET ALL REQUIREMENTS OF PG&E FOR A COMPLETE AND PERMANENT INSTALLATION.
- 4 THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT TESTING COMPANY (E.T.I. OR EQUAL) TO PERFORM AND PREPARE FINAL ELECTRICAL SYSTEM TESTING AND REPORTS, INCLUDING GROUND FAULT, MEGGER AND COORDINATION STUDY. SET ALL ADJUSTABLE BREAKERS TRIP SETTING AND GFP PER STUDY RECOMMENDATIONS.
- 5 LABEL AS "MAIN BUILDING DISCONNECT".
- 6 THE CONTRACTOR SHALL VERIFY AND COORDINATE WITH PG&E ALL REQUIREMENTS FOR PERMANENT SERVICE PRIOR TO ORDERING ANY EQUIPMENT OR BEGINNING ANY SERVICE CONSTRUCTION. NO ALLOWANCES WILL BE GIVEN FOR FAILURE TO DO SO.
- 7 CIRCUIT LENGTH TO NOT EXCEED 25 FEET.
- 8 IN ADDITION TO GROUNDING INDICATED, BOND ALL COLD WATER PIPING SYSTEM, GAS PIPING SYSTEMS, AND SPRINKLER PIPING SYSTEMS TO THE BUILDING GROUNDING ELECTRODE SYSTEM WITH (1) #4 CU INSTALLED IN (1) 3/4" CONDUIT. BOND WHEREVER THERE IS A BREAK IN THE CONTINUITY OF THESE SYSTEM THROUGHOUT THE PROJECT.
- 9 VERIFY ELECTRICAL LOAD REQUIREMENTS PRIOR TO ROUGH-IN AND PURCHASE OF CIRCUIT BREAKERS, CONDUIT AND FEEDERS.
- 10 SEE 1/E7.2 FOR SWITCHBOARD CONSTRUCTION.
- 11 PROVIDE AND INSTALL (5) 5" CONDUITS FOR SECONDARY SERVICE CONDUITS - SEE SITE ELECTRICAL PLAN, 1/E1.1 - COORDINATE WITH PG&E.
- 12 CHILLER TO SHUT DOWN UPON LOSS OF UTILITY POWER AND/OR WHEN THE BUILDING IS ON THE EMERGENCY GENERATOR. COORDINATE WITH CHILLER VENDOR AND DIVISION 15 CONTROLS.
- 13 ATS #1 TO CLOSE FIRST FOR LIFE SAFETY LOADS. ATS #2 TO CLOSE 60 SECONDS AFTER ATS #1.
- 14 DOUBLE SECTION PANEL. SEE 5/E7.2.

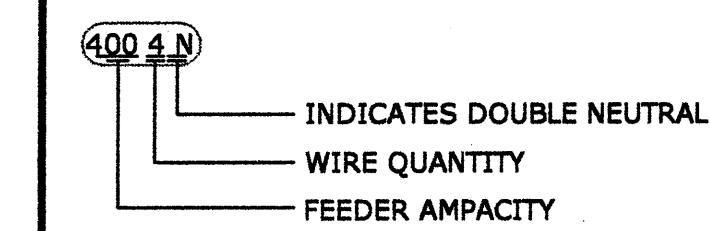
LOAD CALCULATION

LOAD	CONNECTED KVA	
PANEL EH: LIGHTING DEMAND X125%	48.57	60.71
PANEL DBH: MOTOR CONTROL CENTER AHU-1 CH-1	57.66 45.00 210.83	
PANEL DBH SUB-TOTAL	313.49	313.49
PANEL DP1: PANEL LA (SECTION 1) PANEL LA (SECTION 2) PANEL LB (SECTION 1) PANEL LB (SECTION 2) KITCHEN PANEL LC (SECTION 1) KITCHEN PANEL LC (SECTION 2) PANEL TA (SECTION 1) PANEL TA (SECTION 2) PANEL TB PANEL DP1 SUB-TOTAL	52.20 2.08 46.67 0.00 36.86 34.87 38.88 4.16 8.82 224.54	
(N) RECEPTACLE DEMAND LOAD: CONNECTED LOAD: FIRST 10KVA: REMAINING RECEPTACLE LOAD: REMAINING @ 50%: RECEPTACLE DEMAND:	110.24 10.00 100.24 50.12 60.12	
PANEL DP1 WITH RECEPTACLE DEMAND:	174.42	
KITCHEN DEMAND LOAD: CONNECTED LOAD X 65%	71.73 46.62	
PANEL DP1 WITH RECEPTACLE & KITCHEN DEMAND LOAD	149.31	149.31
TOTAL LOAD KVA:	523.52	
TOTAL LOAD AMPS @ 277/480V:	628.22	

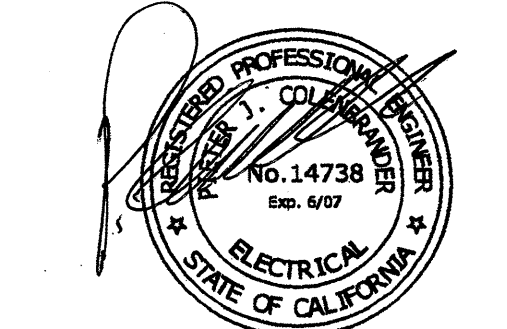
COPPER FEEDER SCHEDULE

FEEDER	CONDUIT	CONDUCTORS
8004N	(2) 5"	2 SETS: 3#600/2#600N & 1#1/0 G.
8004	(2) 4"	2 SETS: 4#600 & 1#1/0 G.
6004N	(2) 3 1/2"	2 SETS: 3#350/2#350N & 1#1/0 G.
6004	(2) 3 1/2"	2 SETS: 4#350 & 1#1/0 G.
6003	(2) 3"	2 SETS: 3#350 & 1#1/0 G.
5004N	(2) 3"	2 SETS: 3#250/2#250N & 1#1/0 G.
5004	(2) 3"	2 SETS: 4#250 & 1#1/0 G.
5003	(2) 3"	2 SETS: 3#250 & 1#1/0 G.
4504N	(2) 3"	2 SETS: 3#250/2#250N & 1#1/0 G.
4504	(2) 2 1/2"	2 SETS: 4#4/0 & 1#1/0 G.
4503	(2) 2"	2 SETS: 3#4/0 & 1#1/0 G.
4004	(1) 4"	4#500 & 4#1/0 G.
4003	(1) 4"	3#500 & 4#1/0 G.
3504N	(1) 4"	3#500, 2#500N & 1#2 G.
3504	(1) 3 1/2"	4#500 & 1#2 G.
3503	(1) 3"	3#500 & 1#2 G.
3004N	(1) 3 1/2"	3#350/2#350N & 1#1/0 G.
3004	(1) 3"	4#350 & 1#2 G.
3003	(1) 3"	3#350 & 1#2 G.
2754	(1) 3"	4#300 & 1#4 G.
2753	(1) 2 1/2"	3#300 & 1#4 G.
2504N	(1) 3"	3#250, 2#250N & 1#4 G.
2504	(1) 2 1/2"	4#250 & 1#4 G.
2503	(1) 2"	3#250 & 1#4 G.
2254N	(1) 3"	3#4/0, 2#4/0N & 1#4 G.
2254	(1) 2 1/2"	4#4/0 & 1#4 G.
2253	(1) 2"	3#4/0 & 1#4 G.
2004N	(1) 2 1/2"	3#3/0, 2#3/0N & 1#4 G.
2004	(1) 2"	4#3/0 & 1#4 G.
2003	(1) 2"	3#3/0 & 1#4 G.
1754N	(1) 2"	3#2/0, 2#2/0N & 1#6 G.
1754	(1) 2"	4#2/0 & 1#6 G.
1753	(1) 1 1/2"	3#2/0 & 1#6 G.
1504N	(1) 2"	3#1/0, 2#1/0N & 1#6 G.
1504	(1) 1 1/2"	4#1/0 & 1#6 G.
1503	(1) 1 1/2"	3#1/0 & 1#6 G.
1254N	(1) 2"	3#1, 2#1N & 1#6 G.
1254	(1) 1 1/2"	4#1 & 1#6 G.
1253	(1) 1 1/4"	3#1 & 1#6 G.
1004N	(1) 1 1/2"	3#2, 2#2N & 1#6 G.
1004	(1) 1 1/4"	4#2 & 1#6 G.
1003	(1) 1 1/4"	3#2 & 1#6 G.
904	(1) 1 1/4"	4#2 & 1#6 G.
903	(1) 1 1/4"	3#2 & 1#6 G.
804	(1) 1 1/4"	4#4 & 1#6 G.
803	(1) 1"	3#4 & 1#6 G.
704	(1) 1 1/4"	4#4 & 1#8 G.
703	(1) 1"	3#4 & 1#8 G.
604	(1) 1 1/4"	4#6 & 1#10 G.
603	(1) 1"	3#6 & 1#10 G.
504	(1) 1"	4#8 & 1#10 G.
503	(1) 3/4"	3#8 & 1#10 G.
404N	(1) 1"	3#8, 2#8N & 1#10 G.
404	(1) 3/4"	4#8 & 1#10 G.
403	(1) 3/4"	3#8 & 1#10 G.

FEEDER TAG KEY



OMAHONY & MYER
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MOUNTAIN VIEW SENIOR CENTER

266 ESCUELA AVE
MOUNTAIN VIEW, CA

DATE: APRIL 18, 2005

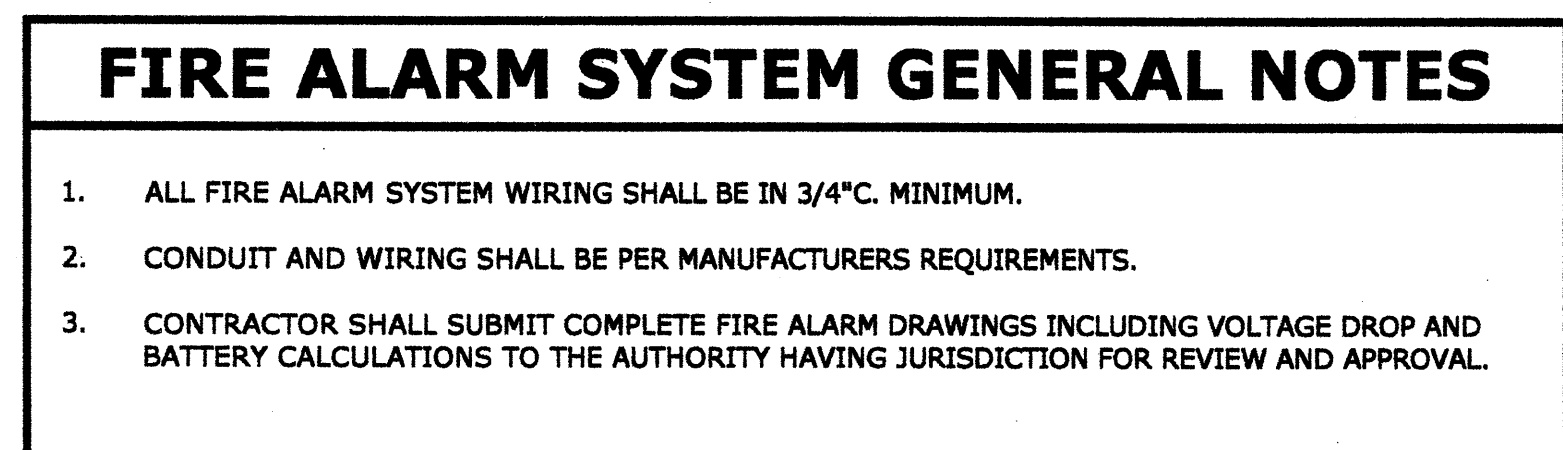
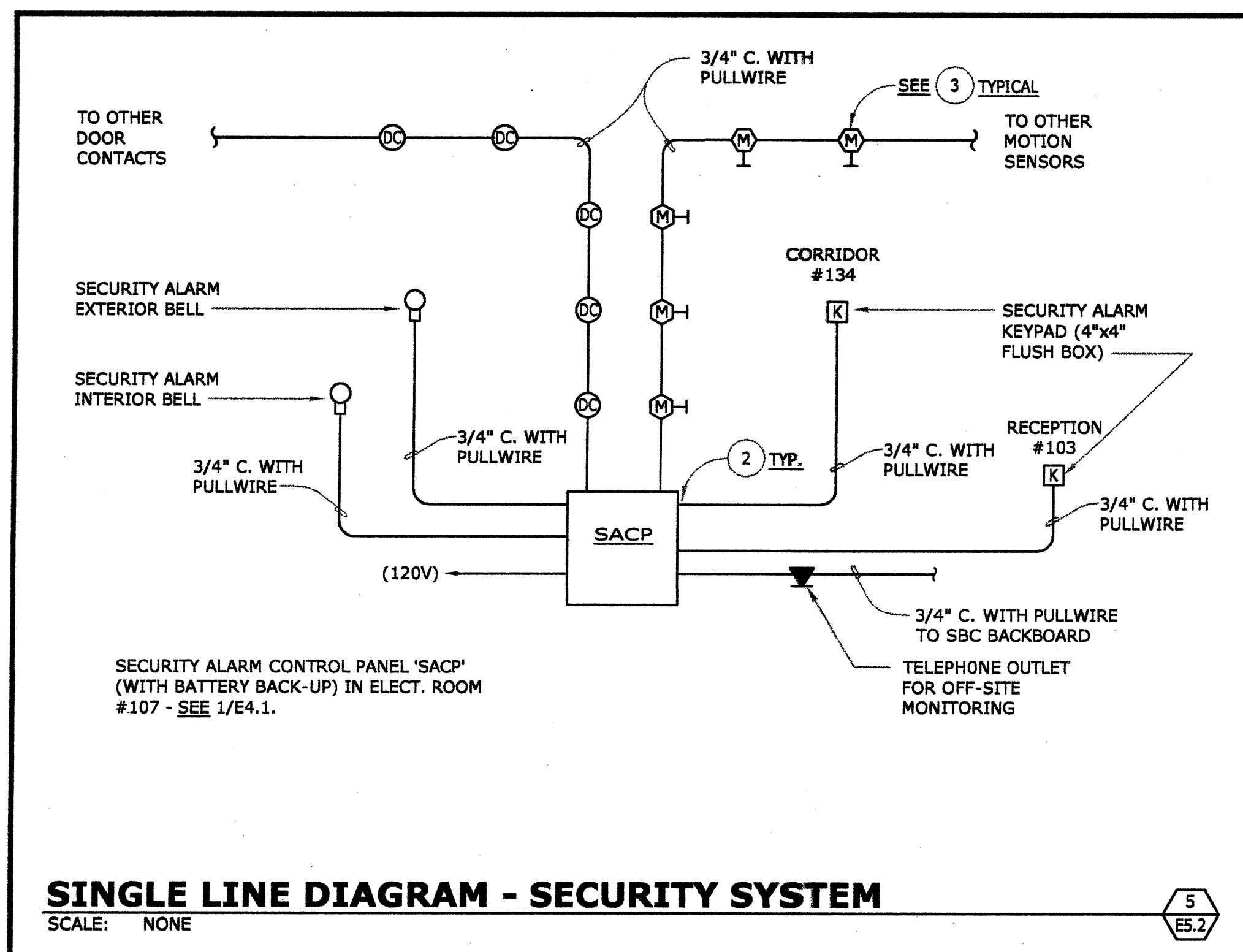
REVISIONS:

CONSTRUCTION
SET

SHEET TITLE:
**SINGLE LINE
DIAGRAM**

DRAWN BY: TV
CHECKED BY: PJC
JOB NO: 203106

SHEET
E5.1

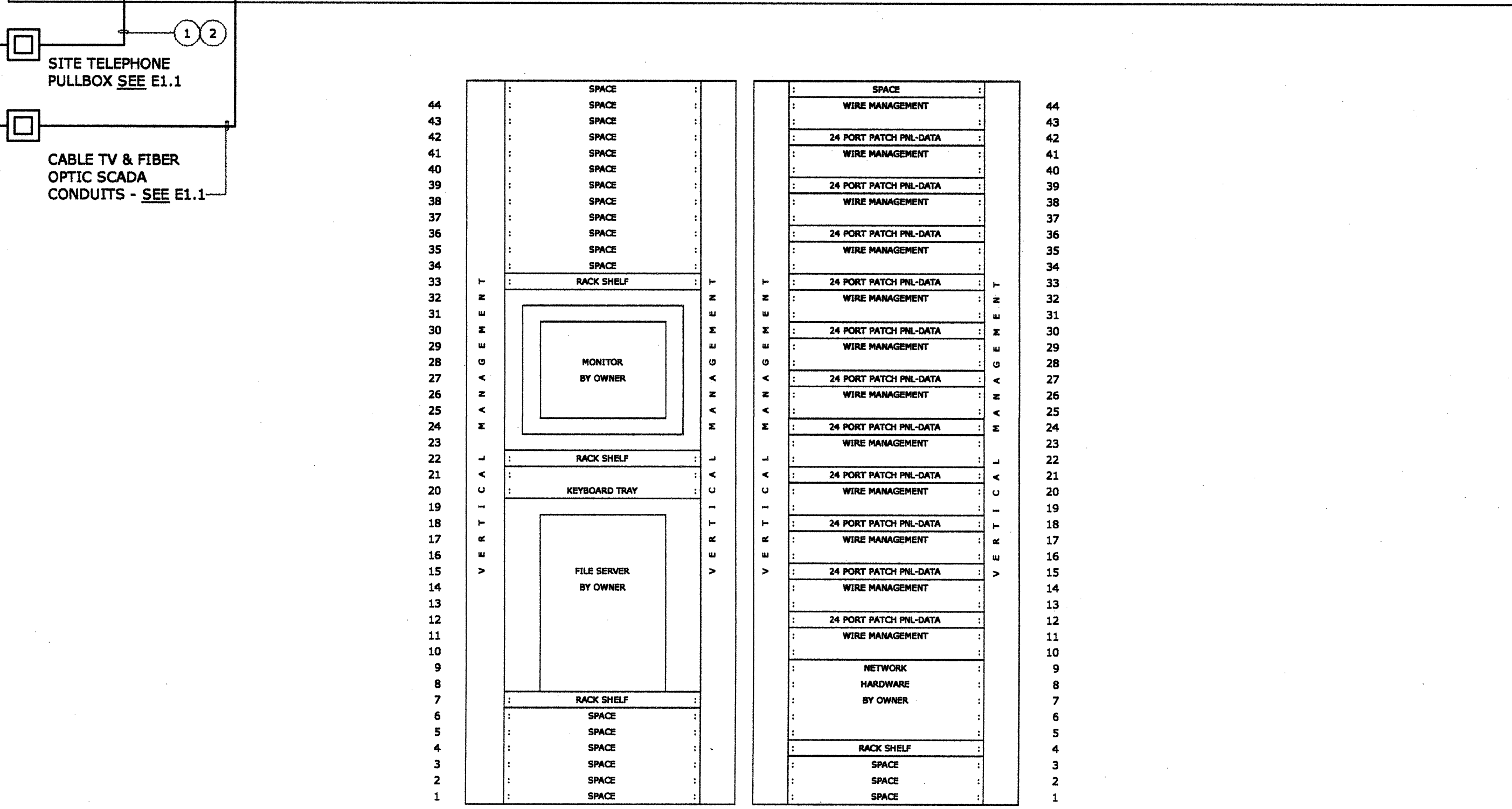
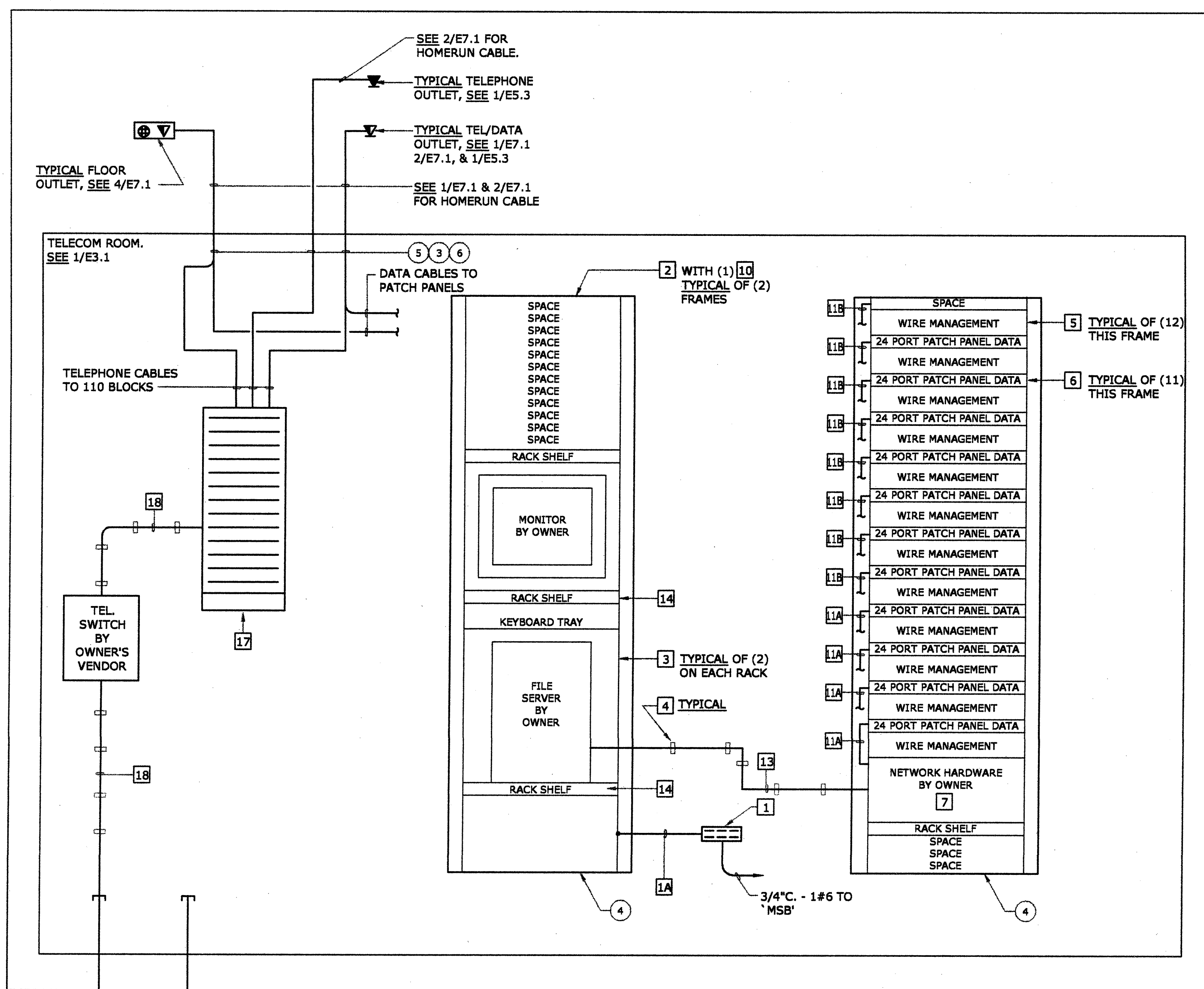


SINGLE LINE DIAGRAM - FIRE ALARM

1. ALL CABLES TO BE INSTALLED IN 3/4" C. U.O.N. CONTRACTOR SHALL VERIFY CABLE TYPE WITH SECURITY EQUIPMENT VENDOR PRIOR TO ROUGH-IN. ALL CABLE TYPES SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PURCHASE.

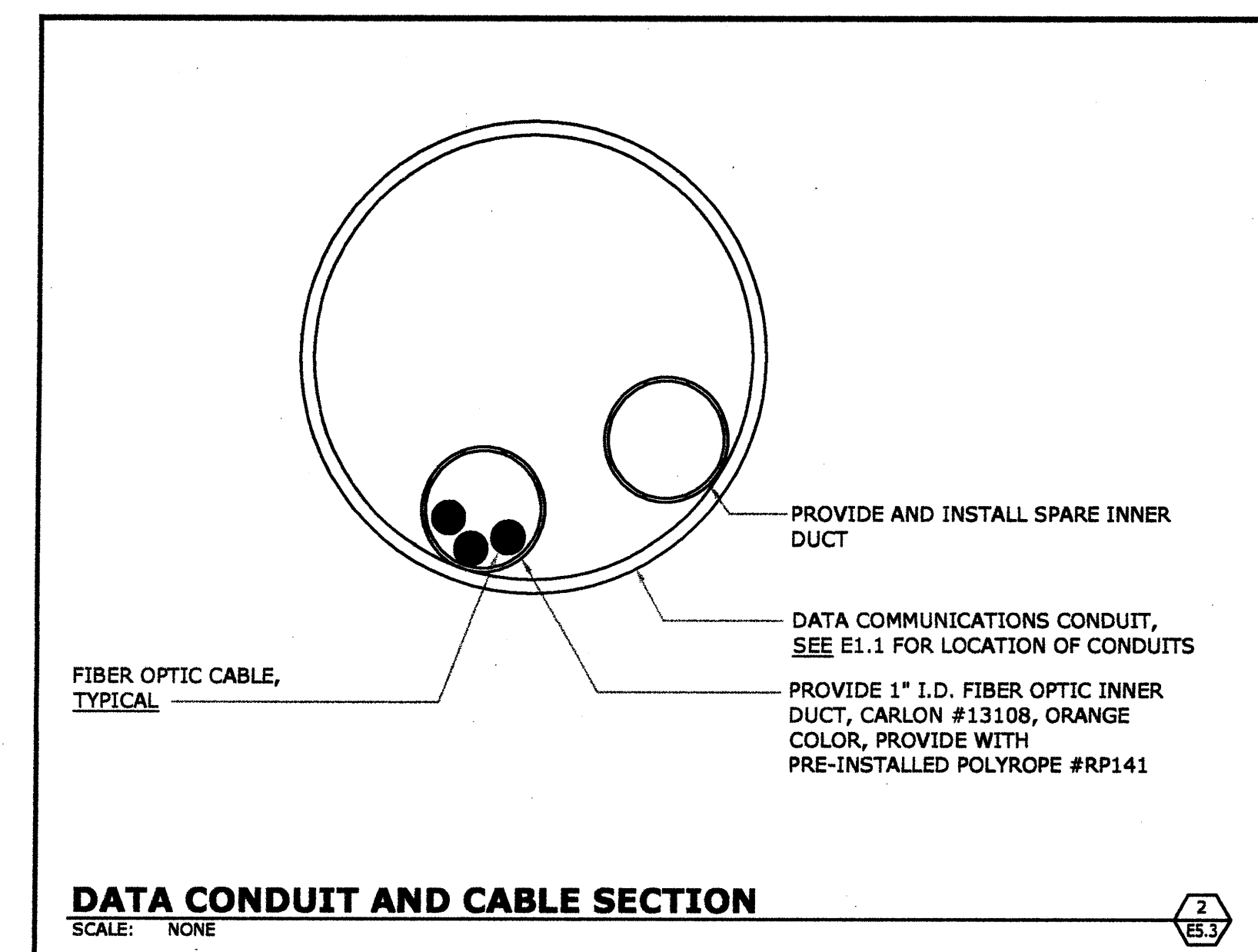
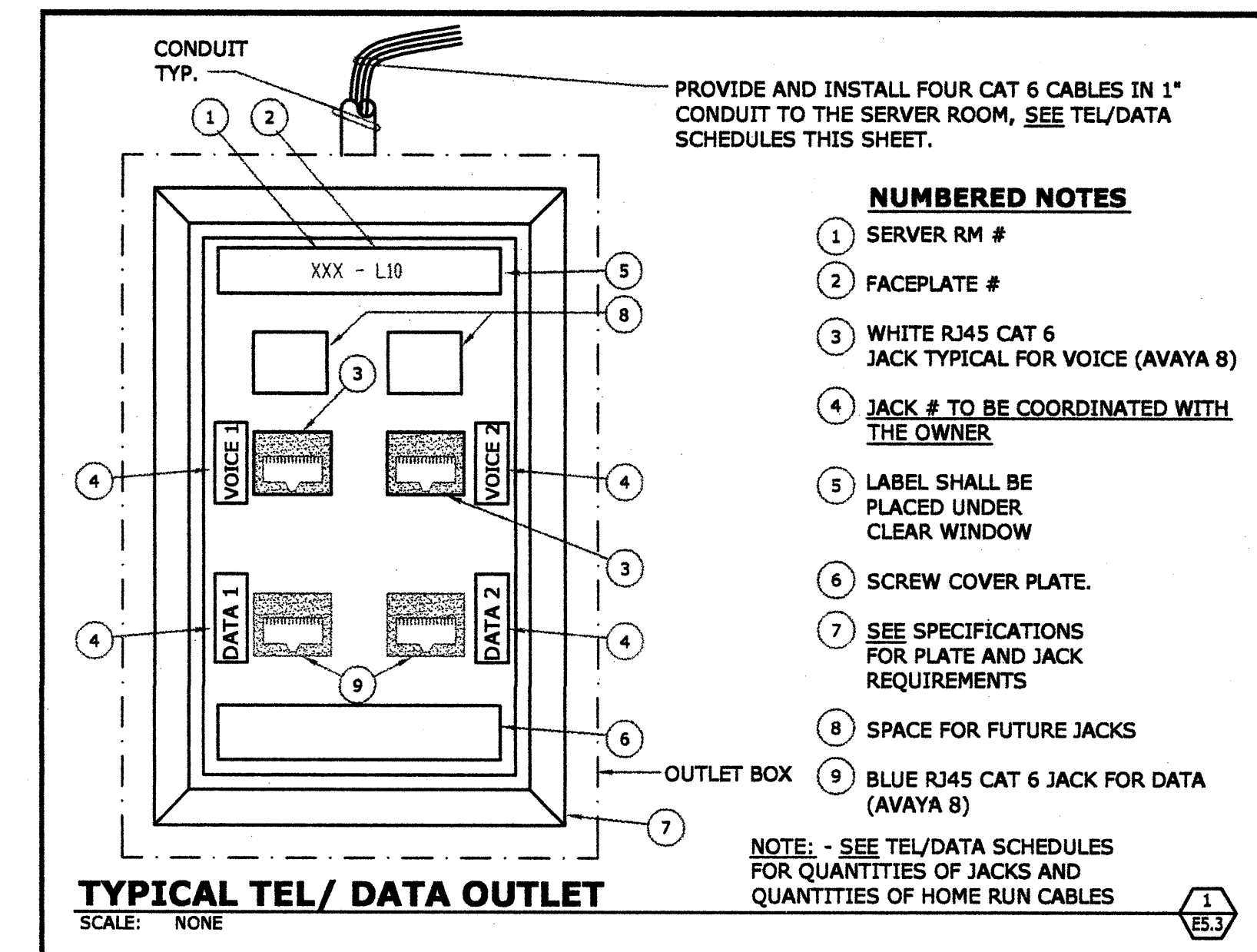


TELEPHONE / DATA OUTLET SCHEDULE									
OUTLETS	DATA JACKS	TELEPHONE JACKS	OUTLET TYPE			HOMERUN TO	REMARKS		
			WALL	FLOOR	OTHER				
TD1	0	2				MDF	FIRE ALARM PANEL		
TD2	0	2	X			MDF	SECURITY PANEL		
TD3	1	3				MDF	LIGHTING CONTROLS, MASTER CLOCK, CALL SYSTEM		
TD4	1	1				MDF	LIGHTING CONTROLS		
TD5	1	1	X			MDF	PC&M REMOTE METER		
TD6	0	1	X			MDF	BREAK 106		
TD7	2	2	X			MDF	WORKROOM 106		
TD8	2	2	X			MDF	WORKROOM 106		
TD9	2	2	X			MDF	WORKROOM 106		
TD10	2	2	X			MDF	WORKROOM 106		
TD11	2	2	X			MDF	WORKROOM 106		
TD12	2	2	X			MDF	CONF 104		
TD13	2	2	X			MDF	CONF 104		
TD14	2	2	X			MDF	OFFICE 105		
TD15	0	1	X			MDF	OFFICE 105		
TD16	2	2	X			MDF	OFFICE 105		
TD17	2	2	X			MDF	OFFICE 105		
TD18	0	1			X	MDF	PAY PHONE LOBBY		
TD19	2	2			X	MDF	RECEPTION 103 (IN CASEWORK)		
TD20	2	2			X	MDF	RECEPTION 103 (IN CASEWORK)		
TD21	2	2			X	MDF	LOUNGE 101		
TD22	2	2			X	MDF	LOUNGE 101		
TD23	2	2			X	MDF	LOUNGE 101		
TD24	2	2			X	MDF	CORRIDOR 124 PAY PHONE		
TD25	2	2			X	MDF	TECH 121		
TD26	2	2			X	MDF	TECH 121		
TD27	2	2			X	MDF	TECH 121		
TD28	2	2			X	MDF	TECH 121		
TD29	2	2			X	MDF	TECH 121		
TD30	2	2			X	MDF	TECH 121		
TD31	2	2			X	MDF	TECH 121		
TD32	2	2			X	MDF	TECH 121		
TD33	2	2			X	MDF	MULTI - PURPOSE 120		
TD34	2	2			X	MDF	MULTI - PURPOSE 120		
TD35	2	2			X	MDF	MULTI - PURPOSE 120		
TD36	2	2			X	MDF	MULTI - PURPOSE 120		
TD37	2	2			X	MDF	MULTI - PURPOSE 120		
TD38	2	2			X	MDF	MULTI - PURPOSE 120		
TD39	2	2			X	MDF	MULTI - PURPOSE 120		
TD40	0	1			X	MDF	MULTI - PURPOSE 120		
TD41	2	2			X	MDF	MULTI - PURPOSE 120		
TD42	2	2			X	MDF	MULTI - PURPOSE 120		
TD43	2	2			X	MDF	MULTI - PURPOSE 120		
TD44	2	2			X	MDF	MULTI - PURPOSE 120		
TD45	2	2			X	MDF	MULTI - PURPOSE 120		
TD46	2	2			X	MDF	MULTI - PURPOSE 120		
TD47	2	2			X	MDF	MULTI - PURPOSE 120		
TD48	2	2			X	MDF	MULTI - PURPOSE 120		
TD49	2	2			X	MDF	MULTI - PURPOSE 120		
TD50	2	2			X	MDF	MULTI - PURPOSE 120		
TD51	2	2			X	MDF	ARTS & CRAFTS 113		
TD52	2	2			X	MDF	ARTS & CRAFTS 113		
TD53	0	1			X	MDF	ARTS & CRAFTS 113		
TD54	2	2			X	MDF	MEETING 111		
TD55	2	2			X	MDF	MEETING 111		
TD56	2	2			X	MDF	MEETING 111		
TD57	2	2			X	MDF	MEETING 111		
TD58	2	2			X	MDF	COUNSELING 110		
TD59	2	2			X	MDF	GAMES 127		
TD60	2	2			X	MDF	GAMES 127		
TD61	2	2			X	MDF	GAMES 127		
TD62	2	2			X	MDF	GAMES 127		
TD63	2	2			X	MDF	GAMES 127		
TD64	2	2			X	MDF	GAMES 127		
TD65	2	2			X	MDF	GAMES 127		
TD66	2	2			X	MDF	SPARE		
TD67	2	2			X	MDF	MULTI-PURPOSE 130		
TD68	2	2			X	MDF	MULTI-PURPOSE 130		
TD69	2	2			X	MDF	MULTI-PURPOSE 130		
TD70	2	2			X	MDF	MULTI-PURPOSE 130		
TD71	2	2			X	MDF	MULTI-PURPOSE 130		
TD72	2	2			X	MDF	MULTI-PURPOSE 130		
TD73	2	2			X	MDF	MULTI-PURPOSE 130		
TD74	2	2			X	MDF	MULTI-PURPOSE 130 CLG. PROJECTOR		
TD75	0	1			X	MDF	MOVEMENT 135		
TD76	0	1			X	MDF	EXERCISE 136		
TD77	2	2			X	MDF	OFFICE 148		
TD78	2	2			X	MDF	OFFICE 148		
TD79	2	2			X	MDF	CORRIDOR 134		
TD80	2	2			X	MDF	SOCIAL HALL 150		
TD81	2	2			X	MDF	SOCIAL HALL 150		
TD82	2	2			X	MDF	SOCIAL HALL 150		
TD83	2	2			X	MDF	SOCIAL HALL 150		
TD84	2	2			X	MDF	SOCIAL HALL 150		
TD85	2	2			X	MDF	SOCIAL HALL 150		
TD86	2	2			X	MDF	SOCIAL HALL 150		
TD87	2	2			X	MDF	SOCIAL HALL 150		
TD88	2	2			X	MDF	SOCIAL HALL 150		
TD89	2	2			X	MDF	SOCIAL HALL 150		
TD90	2	2			X	MDF	SOCIAL HALL 150		
TD91	2	2			X	MDF	SOCIAL HALL 150		
TD92	2	2			X	MDF	SPARE		
TD93	2	2			X	MDF	SOCIAL HALL 150		
TD94	1	1			X	MDF	IRIGATION CONTROLLER		
TD95	1	0			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 150		
TD96	1	0			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 134		
TD97	1	0			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 130		
TD98	1	0			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 127		
TD99	1	0			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 124		
TD100	1	0			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 120		
TD101	1	0			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 113		
TD102	1	1			X	MDF	ABOVE CEILING FOR WIRELESS DATA - 102		
TD103	1	1			X	MDF	MECHANICAL CONTROLS - 118		
TD104	0	1			X	MDF	KITCHEN		
TD105	2	2			X	MDF	TECH 121 CLG. PROJECTOR		
TD106									
TD107									
TD108									
TD109									
TD110									
TD111									
TD112									
TD113									
TD114									
TD115									
TOTAL	171	178							



MDF DATA FRAME ELEVATION
SCALE: NONE

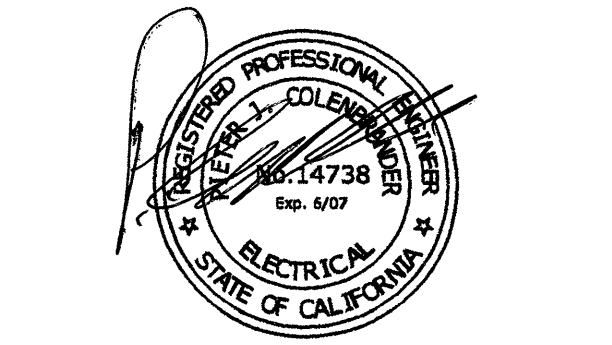
COMMUNICATIONS EQUIPMENT LIST		
1	WALL MOUNTED GROUND BAR - MIN. 20" WIDE, 4" H, 1/4" PRE-DRILLED COPPER.	CHATSWORTH #10622-020 WITH #10622-000 OR EQUAL BRACKET AND ISOLATORS. SEE 4/E7.2
1A	PROVIDE #6 INSULATED COPPER GROUND WIRE TO EACH RACK.	LUG DIRECTLY TO RACKS AND TRAY WITH BUNDLY LUGS (OR EQUAL).
2	FLOOR MOUNTED OPEN STYLE UNIVERSAL 19" X 7'-0" EQUIPMENT RACK (ALUMINUM FINISH)	CHATSWORTH #55054-503 OR EQUAL (BOLT TO FLOOR)
3	6" WIDE VERTICAL WIRE MANAGEMENT PANEL (FOR 7'-0" RACK)	LEVITON #49265 OR EQUAL
4	3" WIDE WALL MOUNT WIRE MANAGEMENT DISTRIBUTION RINGS	CHATSWORTH #10812-001 OR EQUAL
5	HORIZONTAL WIRE MANAGEMENT PANEL (2RU)	LEVITON #49252-PO2 OR EQUAL
6	24-PORT CAT. 6 PATCH PANEL (1RU)	LEVITON #49270-U24 OR EQUAL, MODULAR TO 110
7	FIBER OPTIC EQUIP., NETWORK SWITCHES, HUBS AND/OR OTHER ACTIVE NETWORK EQUIPMENT	BY NETWORK INTEGRATOR OR OWNER
8	NOT USED	
9	CATEGORY 6 MODULAR PATCH CORDS (1FT.): PROVIDE QTY. TO MATCH ACTIVATED JACKS ON PROJECT (WHITE JACKET FOR VOICE)	LEVITON #62455-15W OR EQUAL
10	6 FT. VERTICAL PLUG-MOLD POWER STRIP (SIDE OR BACK MOUNTED ON RACK)	WIREMOLD #UL2062B OR EQUAL WITH 15' CORD AND PLUG
11A	CATEGORY 6 MODULAR PATCH CORDS (5FT.): PROVIDE QTY. TO MATCH ACTIVATED JACKS ON PROJECT (BLUE JACKET FOR DATA)	LEVITON #62455-05L OR EQUAL
11B	CATEGORY 6 MODULAR PATCH CORDS (7FT.): PROVIDE QTY. TO MATCH ACTIVATED JACKS ON PROJECT (BLUE JACKET FOR DATA)	LEVITON #62455-07L OR EQUAL
11C	CATEGORY 6 MODULAR PATCH CORDS (15FT.): PROVIDE QTY. TO MATCH ACTIVATED JACKS ON PROJECT (BLUE JACKET FOR DATA)	LEVITON #62455-15L OR EQUAL
12	NOT USED	
13	CABLING BETWEEN NETWORK EQUIPMENT	BY NETWORK INTEGRATOR OR OWNER
14	RACK MOUNTED EQUIPMENT SHELF WITH KEYBOARD TRAY (19"W X 22")	HOMACO #ES-19-4 OR EQUAL WITH #PTR TRAY
15	NOT USED	
16	200 PAIR COPPER FEEDER CABLE	SUPERIOR ESSEX #02-108-03 OR EQUAL
17	WALL MOUNTED 300 PAIR 110 FIELD FRAME WITH CONNECTOR BLOCKS & CABLE MGMT.	LEVITON #41MB2-3FT OR EQUAL
18	TELEPHONE LINE CABLES	BY TELEPHONE SWITCH VENDOR



- NUMBERED SHEET NOTES**
- UNDERGROUND TELEPHONE SERVICE - SEE 1/E1.1.
 - INCOMING TELEPHONE SERVICE BY UTILITY COMPANY.
 - PROVIDE & INSTALL CAT 6 CABLE HOMERUNS TO THE MDF OR TELEPHONE TERMINATION BLOCKS. SEE TELEPHONE/DATA OUTLET SCHEDULE THIS SHEET FOR HOMERUN QUANTITIES FROM EACH OUTLET, TYPICAL.
 - MDF EQUIPMENT.
 - TERMINATE DATA HOMERUN CABLES ON PATCH PANELS AND CONNECT COMPLETE, TYPICAL U.O.N.
 - TERMINATE TELEPHONE CABLES ON 110 FIELD FRAME CONNECTOR BLOCKS AND CONNECT COMPLETE, TYPICAL U.O.N.

NOTE: PROVIDE AND INSTALL ALL ITEMS/EQUIPMENT/CABLING SHOWN UNLESS OTHERWISE NOTED.

OMAHONY & MYER
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www.omahonyandmyer.com



**MOUNTAIN VIEW
SENIOR CENTER**
266 ESCUELA AVE
MOUNTAIN VIEW, CA

DATE: APRIL 18, 2005

REVISIONS:

CONSTRUCTION
SET

SHEET TITLE:
**TELECOM/DATA
SYSTEM**

DRAWN BY: LN
CHECKED BY: PJC
JOB NO: 203106
SHEET
E5.3

LOW VOLTAGE RELAY LIGHTING CONTROL PANEL LCP3

ZONE/SWITCH DESIGNATION	RELAY NO.	LINE VOLTAGE CIRCUIT	LOAD VA	ROOM NAME / FORTUNE TYPE	MASTER SWITCH ZONE GROUP	NOTES	ASTRO DIAL
ea	1			SPARE			
eb	2			SPARE			
ec	3			SPARE			
ed	4			SPARE			
ef	5			SPARE			
eg	6			SPARE			
eh	7			SPARE			
ei	8			SPARE			
ej	9			SPARE			
ek	10			SPARE			
el	11			SPARE			
em	12			SPARE			
en	13			SPARE			
eo	14	EH-15	1333	EXTERIOR BUILDING			
et	15	EH-17	731	EXTERIOR BUILDING			
tu	16	EH-1	550	SIGNS			
ts	17	LA-49	800	BOLLARDS			
tt	18	EH-11	1520	WALKWAY			
tt	19	EH-9	660	WALKWAY			
tt	20	EH-7	1540	PARKING			
tt	21	EH-5	660	PARKING			
tt	22	EH-3	2090	PARKING			
tt	23	EH-1	1100	PARKING			

- NOTES:
1. ALL LOCAL SWITCH ZONE, MASTER, TIMELOCK AND PHOTOCELL INPUTS TO RELAYS SHALL BE "SOFTWARED" VIA PROGRAMMABLE SYSTEM SWITCHES.
 2. REMOTE SWITCHES WITH PILOT LIGHTS TO BE LOCATED IN LIGHTING CONTROL STATIONS WHERE DESIGNATED. SEE DETAILS AND ENGRAVING SCHEDULES.
 3. PROVIDE AN ASTRO-DIAL MASTER CHANNEL, ASTRO-ON, TIMELOCK-OFF.
 4. RELAYS NOTED SHALL BE AUTOMATICALLY CONTROLLED BY THE RESPECTIVE ASTRO CHANNEL FOR EXTERIOR CONTROL. PROVIDE AN ASTRO-DIAL MASTER CHANNEL, ASTRO-ON, ASTRO-OFF.
 5. RELAYS NOTED SHALL BE AUTOMATICALLY CONTROLLED BY THE RESPECTIVE ASTRO CHANNEL FOR EXTERIOR CONTROL.

LOW VOLTAGE RELAY LIGHTING CONTROL PANEL LCP1

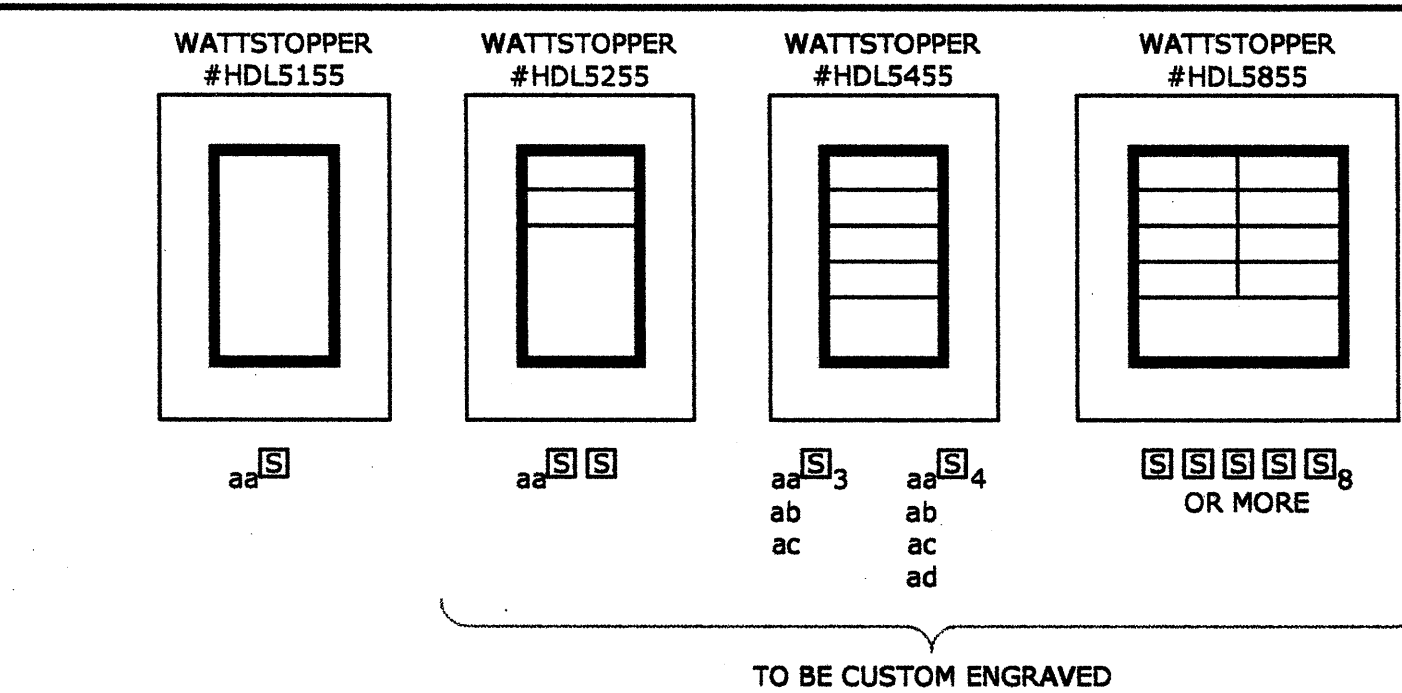
ZONE/SWITCH DESIGNATION	RELAY NO.	LINE VOLTAGE CIRCUIT	LOAD VA	ROOM NAME / FORTUNE TYPE	MASTER SWITCH ZONE GROUP	NOTES	ASTRO DIAL
aa	1	EH-2	2152	CORRIDOR 124, 134			
aa	2	LA-32	148	CORRIDOR 124 TASK			
ab	3	EH-6	172	GALLERY 125 DOWNLIGHTS			
ac	4	EH-6	172	GALLERY 125 DOWNLIGHTS			
ad	5	EH-6	450	GALLERY 125 UP/DN LIGHTS			
ae	6	EH-8	3086	CORRIDOR 124, 134 SCANCES			
af	7			SPARE			
ag	8	EH-2	820	CORRIDOR 122			
ah	9	EH-16	720	LOBBY 102 PENDANT			
aj	10			SPARE			
ak	11	EH-16	301	ENTRY 100 DOWNLIGHTS			
al	12	EH-16	688	LOUNGE 101 DOWNLIGHTS			
am	13	EH-16	236	FIREPLACE ACCENT			
an	14	EH-16	387	CORRIDOR 123 DOWNLIGHTS			
ap	15	EH-16	129	RECEPTION 103 DOWNLIGHTS			
aq	16	EH-20	688	ALCOVE 151 DOWNLIGHTS			
ar	17	EH-20	248	ALCOVE 151 SCANCE			
as	18	EH-16	74	OFFICE 105			
at	19	EH-16	74	OFFICE 105			
au	20	EH-16	148	OFFICE 105			
av	21	EH-16	148	OFFICE 105			
aw	22	EH-18	414	WORK ROOM 106			
ax	23	EH-18	414	WORK ROOM 106			
ay	24	EH-18	148	WORK ROOM 106 TASK			
ba	25	EH-12	111	CONFERENCE 104			
bb	26	EH-12	111	CONFERENCE 104			
bc	27			SPARE			
bd	28	LA-32	400	SOCIAL HALL ACCENT			
be	29	EH-10	118	COUNSELING 110			
bf	30	EH-10	118	COUNSELING 110			
bg	31	EH-10	354	SMALL MEETING 111			
bh	32	EH-10	354	SMALL MEETING 111			
bi	33	EH-10	256	ARTS & CRAFTS 113			
bj	34	EH-10	256	ARTS & CRAFTS 113			
bk	35	EH-10	222	ARTS & CRAFTS 113			
bl	36	EH-10	222	ARTS & CRAFTS 113			
bm	37	EH-10	256	ARTS & CRAFTS 113			
bn	38	EH-10	256	ARTS & CRAFTS 113			
bo	39	LA-32	296	ARTS & CRAFTS 113 TASK			
br	40	EH-4	232	WOMEN 117			
bs	41	EH-4	148	WOMEN 117			
bt	42	EH-4	232	MEN 116			
bu	43	EH-4	148	MEN 116			
bv	44	EH-22	2160	SOCIAL HALL PENDANTS			
bw	45	EH-23	1616	SOCIAL HALL UP/LIGHTS			
bx	46	EH-20	992	SOCIAL HALL TRUSS			
by	47	EH-20	663	SOCIAL HALL SCANCE			
bz	48	EH-22	236	SOCIAL HALL ACCENT			

- NOTES:
1. ALL LOCAL SWITCH ZONE, MASTER, TIMELOCK AND PHOTOCELL INPUTS TO RELAYS SHALL BE "SOFTWARED" VIA PROGRAMMABLE SYSTEM SWITCHES.
 2. REMOTE SWITCHES WITH PILOT LIGHTS TO BE LOCATED IN LIGHTING CONTROL STATIONS WHERE DESIGNATED. SEE DETAILS AND ENGRAVING SCHEDULES.
 3. PROVIDE AN ASTRO-DIAL MASTER CHANNEL, ASTRO-ON, TIMELOCK-OFF.
 4. RELAYS NOTED SHALL BE AUTOMATICALLY CONTROLLED BY THE RESPECTIVE ASTRO CHANNEL FOR EXTERIOR CONTROL. PROVIDE AN ASTRO-DIAL MASTER CHANNEL, ASTRO-ON, ASTRO-OFF.
 5. RELAYS NOTED SHALL BE AUTOMATICALLY CONTROLLED BY THE RESPECTIVE ASTRO CHANNEL FOR EXTERIOR CONTROL.

LOW VOLTAGE RELAY LIGHTING CONTROL PANEL LCP2

ZONE/SWITCH DESIGNATION	RELAY NO.	LINE VOLTAGE CIRCUIT	LOAD VA	ROOM NAME / FORTUNE TYPE	MASTER SWITCH ZONE GROUP	NOTES	ASTRO DIAL
ca	1	EH-12	292	TECH 121			
cb	2	EH-12	292	TECH 121			
cc	3	EH-12	344	MULTIPURPOSE 120			
cd	4	EH-12	512	MULTIPURPOSE 120			
ce	5	EH-12	512	MULTIPURPOSE 120			
cf	6	LA-32	222	MULTIPURPOSE 120 TASK			
cg	7	EH-14	624	GAME ROOM 127 SKYLIGHT			
ch	8	EH-14	624	GAME ROOM 127 SKYLIGHT			
ci	9	EH-14	360	GAME ROOM 127 PENDANTS			
ck	10	EH-14	360	GAME ROOM 127 PENDANTS			
cl	11	EH-14	438	GAME ROOM 127 UP/LIGHT			
cm	12	EH-14	438	GAME ROOM 127 UP/LIGHT			
cn	13	EH-14	172	GAME ROOM 127 DOWNLIGHTS			
co	14			SPARE			
cp	15			SPARE			
cq	16	EH-4	169	MEN 128			
cr	17	EH-4	74	MEN 128			
cs	18	EH-4	263	WOMEN 129			
cu	19	EH-4	191	WOMEN 129			
cv	20	EH-21	183	OFFICE 148			
cw	21	EH-21	183	OFFICE 148			
cx	22			SPARE			
cy	23			SPARE			
cz	24			SPARE			
da	25	EH-19	270	MULTIPURPOSE 130 PENDANT			
db	26	EH-19	270	MULTIPURPOSE 130 PENDANT			
dc	27	EH-19	473	MULTIPURPOSE 130 DOWNLIGHTS			
dd	28	EH-19	1608	MULTIPURPOSE 130 COVE			
de	29	LA-32	222	MULTIPURPOSE 130 TASK			
df	30			SPARE			
dg	31	EH-21	692	MOVEMENT DANCE 135			
dh	32	EH-21	732	MOVEMENT DANCE 135			
di	33	EH-21	456	EXERCISE 138			
dj	34	EH-21	456	EXERCISE 138			
dk	35	EH-23	622	KITCHEN 140			
dl	36	EH-23	622	KITCHEN 140			
dm	37	EH-23	39	LOCKER 144			
dn	38	EH-23	102	LOCKER 144			
do	39			SPARE			
dp	40			SPARE			
dq	41			SPARE			
dr	42			SPARE			
ds	43			SPARE			
dt	44			SPARE			
du	45			SPARE			
dv	46			SPARE			
dw	47			SPARE			
dx	48			SPARE			

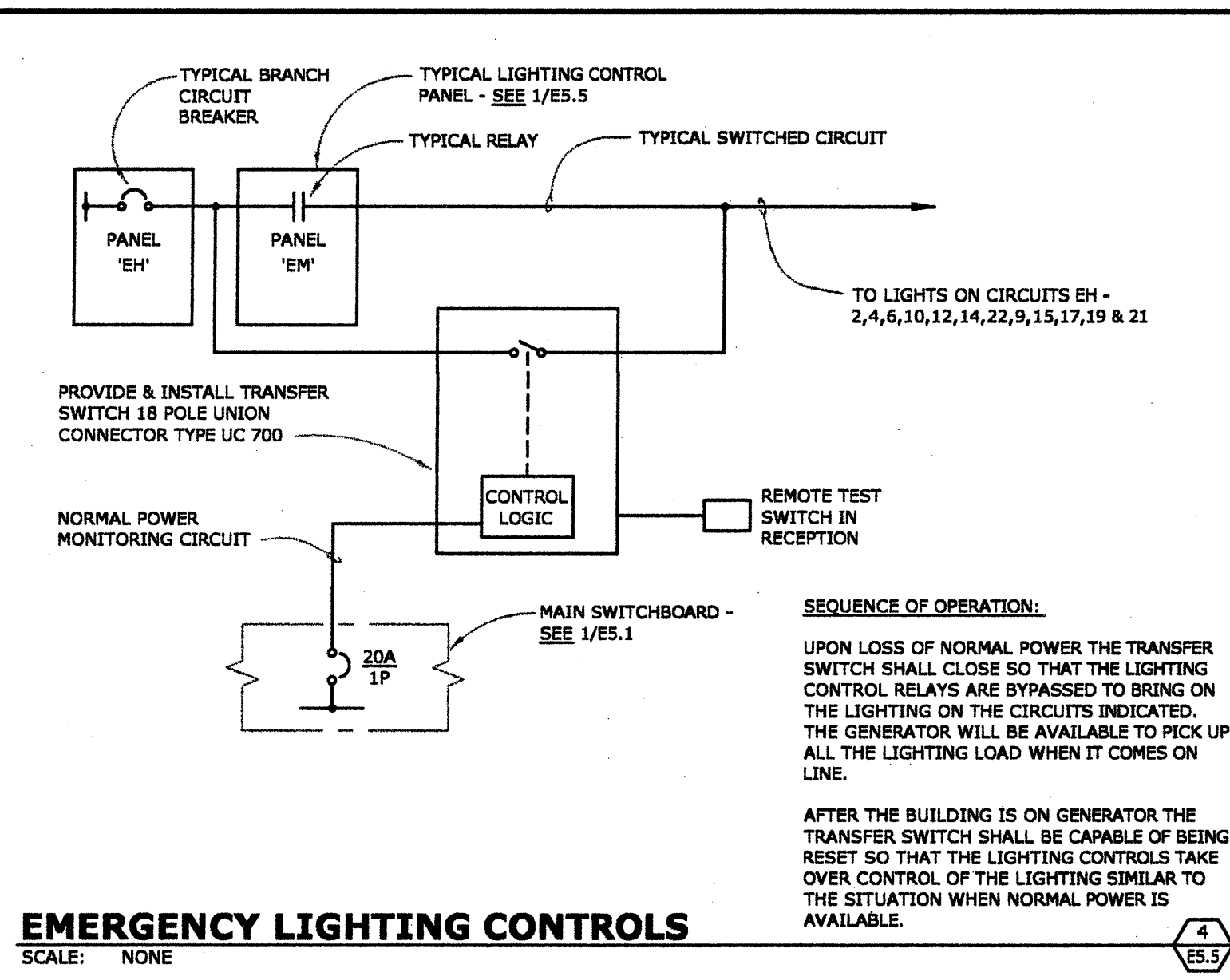
- NOTES:
1. ALL LOCAL SWITCH ZONE, MASTER, TIMELOCK AND PHOTOCELL INPUTS TO RELAYS SHALL BE "SOFTWARED" VIA PROGRAMMABLE SYSTEM SWITCHES.
 2. REMOTE SWITCHES WITH PILOT LIGHTS TO BE LOCATED IN LIGHTING CONTROL STATIONS WHERE DESIGNATED. SEE DETAILS AND ENGRAVING SCHEDULES.
 3. PROVIDE AN ASTRO-DIAL MASTER CHANNEL, ASTRO-ON, TIMELOCK-OFF.
 4. RELAYS NOTED SHALL BE AUTOMATICALLY CONTROLLED BY THE RESPECTIVE ASTRO CHANNEL FOR EXTERIOR CONTROL. PROVIDE AN ASTRO-DIAL MASTER CHANNEL, ASTRO-ON, ASTRO-OFF.
 5. RELAYS NOTED SHALL BE AUTOMATICALLY CONTROLLED BY THE RESPECTIVE ASTRO CHANNEL FOR EXTERIOR CONTROL.



- NOTES:
1. ENGRAVE EACH PUSHBUTTON WITH DESCRIPTIVE LABEL. FILL ENGRAVINGS WITH BLACK ENAMEL PAINT.
 2. ENGRAVE EACH MASTER ROOM SWITCH AS DIRECTED.
 3. SEE SPECS.
 4. SEE PLANS.
 5. SEE SYMBOL LIST.

TYPICAL DATALINE WALL SWITCH CONFIGURATIONS

SCALE: NONE
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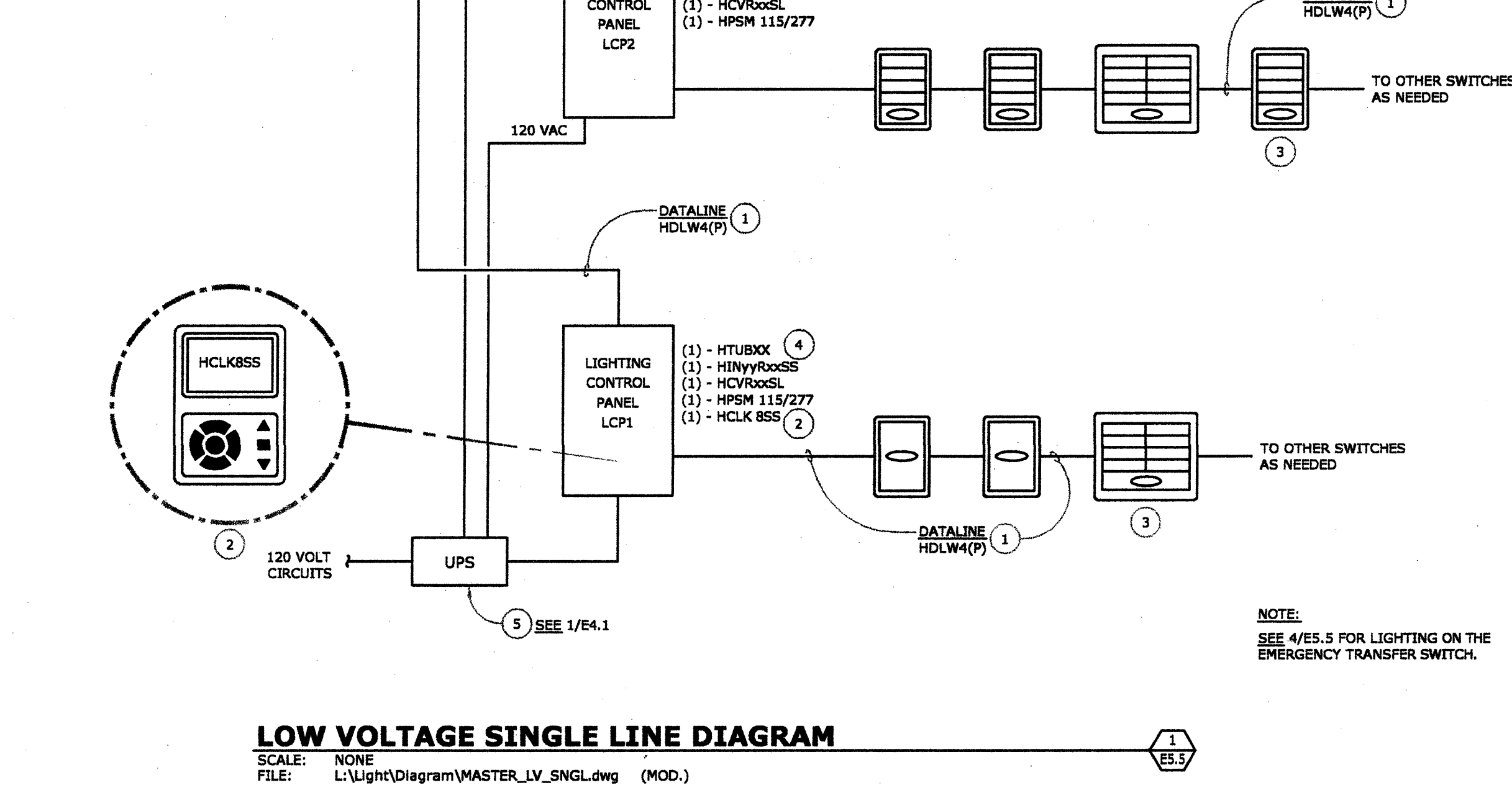


EMERGENCY LIGHTING CONTROLS

SCALE: NONE
FILE: L:\LightDiagram\WALL SWITCH CONFIG

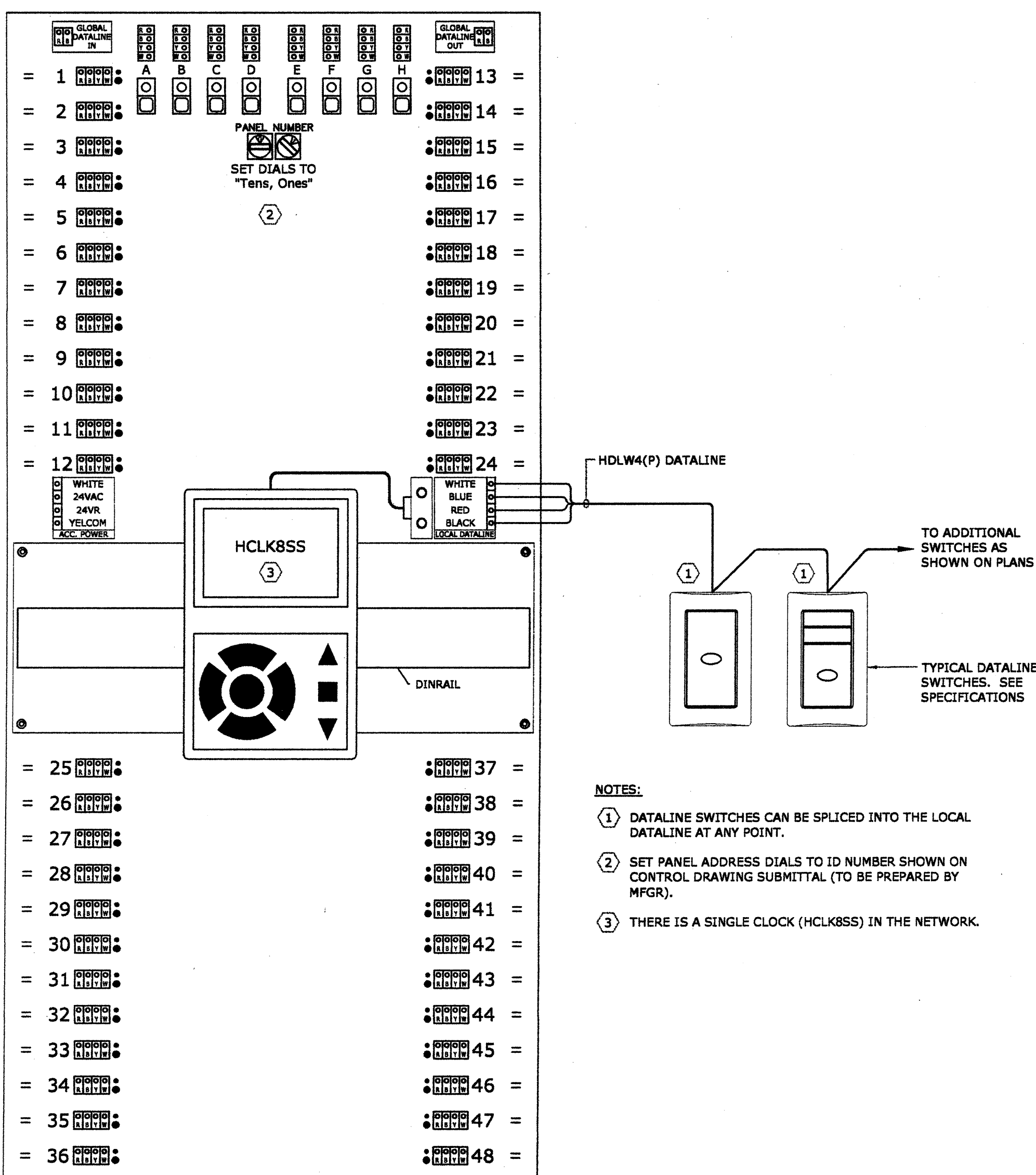
NOTES:

1. THE DATALINE (HDLW4(P)) CAN BE SPICED AT ANY POINT (FOR PANELS, SWITCHES OR OTHER DATALINE RUNS). THE DATA LINE ROUTING SHOWN IS DIAGRAMMATIC ONLY.
2. THE NETWORK CLOCK (HCLK8SS) AND PHOTOCELL CONTROLLER (HPC8SS) CAN BE LOCATED IN ANY PANEL WITH ENOUGH SPACE ON THE LOW VOLTAGE DIN-RAIL (12-RELAY PANELS CAN HOLD ONE DEVICE, 24- AND 48-PANELS CAN HOLD TWO).
3. A SINGLE DATALINE SWITCH BUTTON CAN CONTROL ANY GROUP OF RELAYS IN A SPECIFIC PANEL, OR, BY USING A CHANNEL, CAN CONTROL RELAYS IN MULTIPLE PANELS.
4. xx = PANEL CAPACITY (12, 24 OR 48 RELAYS)
yy = QUANTITY OF FACTORY INSTALLED RELAYS.
5. PROVIDE AND INSTALL UPS FOR 120VOLT BRANCH CIRCUIT TO LIGHTING CONTROL PANELS. THE LIGHTING CONTROL POWER IS TO BE MAINTAINED TO THE CONTROL MODULES DURING THE DOWNTIME BETWEEN LOSS OF PG&E AND GENERATOR START UP. THE LIGHTING SHALL RETURN TO ITS STATUS AFTER THE GENERATOR HAS COME ON LINE. FOR EXAMPLE IF ALL LIGHTS ARE TURNED ON PRIOR TO A LOSS OF PG&E THEY SHALL TURN BACK ON AUTOMATICALLY WHEN THE GENERATOR COMES ON LINE. THE SAME APPLIES WHEN THE POWER IS TRANSFERRED FROM THE GENERATOR BACK TO PG&E.



LOW VOLTAGE SINGLE LINE DIAGRAM

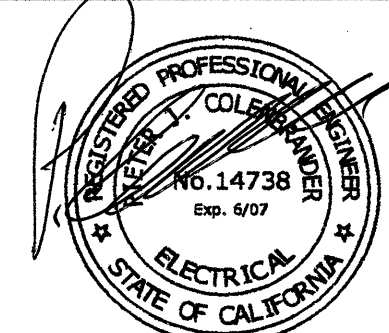
SCALE: NONE
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RELAY SWITCHING SYSTEM PANEL DETAIL

SCALE: NONE
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O'MAHONY & MYER
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**MOUNTAIN VIEW
SENIOR CENTER**

266 ESCUELA AVE
MOUNTAIN VIEW, CA

DATE: APRIL 18, 2005

REVISIONS:

CONSTRUCTION
SET

SHEET TITLE:

**LOW VOLTAGE
LIGHTING
DIAGRAMS &
SCHEDULES**

DRAWN BY: LN

CHECKED BY: PJC

JOB NO: 203106

SHEET

E5.5